

1-21-05  
PET\$  
"Express Mail" mailing label number  
EV 314909721 US

Date of Deposit: January 19, 2005

DT03 Rec'd PCT/PTO 19 JAN 2005

FORM PTO-1390  
(REV. 12-04)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

CASE NO. 10808/206

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

10/523239

INTERNATIONAL APPLICATION NO.  
PCT/DE03/02435

INTERNATIONAL FILING DATE  
July 19, 2003

PRIORITY DATE CLAIMED  
July 22, 2002

TITLE OF INVENTION

SEMICONDUCTOR COMPONENT WITH TRENCH  
INSULATION AND CORRESPONDING PRODUCTION METHOD

APPLICANTS FOR DO/EO/US

FRANZ SCHULER and GEORG TEMPEL

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a FIRST submission of items concerning a filing under 35 U.S.C. 371
2. ☐ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English translation of the International Application into English (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)) and/or amendments under Article 34.

Items 11 to 20 Below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98; PTO Form 1449; copy of International Search Report.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Twelve (12) sheets of drawings; Request, (cover page) International Application Published Under PCT (in German), International Preliminary Examination Report; [PCT] Notification Concerning Submission or Transmittal of Priority Document; [PCT] Notice Informing the Applicant of the Communication of the International Application to the Designated Offices.

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U.S. APPLICATION NO. <b>10/523239</b>		INTERNATIONAL APPLICATION NO. <b>PCT/DE03/02438</b>		CASE NO. <b>10808/206</b>																			
21. <input checked="" type="checkbox"/> The following fees are submitted: a) Basic National fee ..... \$300.00 b) Examination fee ..... \$200.00 c) Search fee ..... \$500.00  TOTAL OF ABOVE CALCULATIONS ..... \$1000.00 <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">Total Sheets</th> <th style="width: 20%;">Extra Sheets</th> <th style="width: 40%;">Number of each additional 50 or fraction thereof (round up to a whole number)</th> <th style="width: 20%;">Rate</th> </tr> <tr> <td>- 100 =</td> <td>/50 =</td> <td></td> <td>x \$250.00</td> </tr> </table>				Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	Rate	- 100 =	/50 =		x \$250.00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Applicant Use</th> <th style="width: 50%;">Office Use Only</th> </tr> <tr> <td>\$</td> <td></td> </tr> <tr> <td>\$</td> <td></td> </tr> <tr> <td>\$</td> <td></td> </tr> <tr> <td>\$1,000.00</td> <td></td> </tr> </table>		Applicant Use	Office Use Only	\$		\$		\$		\$1,000.00	
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Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">Claims</th> <th style="width: 20%;">Number Filed</th> <th style="width: 20%;">Number Extra</th> <th style="width: 20%;">Rate</th> </tr> <tr> <td>Total Claims</td> <td>14 - 20 =</td> <td>0</td> <td>x \$ 50.00</td> </tr> <tr> <td>Independent Claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$200.00</td> </tr> <tr> <td>Multiple dependent claim(s) if Applicable</td> <td></td> <td>0</td> <td>+ \$360.00</td> </tr> </table>				Claims	Number Filed	Number Extra	Rate	Total Claims	14 - 20 =	0	x \$ 50.00	Independent Claims	1 - 3 =	0	x \$200.00	Multiple dependent claim(s) if Applicable		0	+ \$360.00				
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Multiple dependent claim(s) if Applicable		0	+ \$360.00																				
TOTAL OF ABOVE CALCULATIONS =				\$																			
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. SUBTOTAL =				\$																			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$																			
TOTAL NATIONAL FEE =				\$																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31), \$40.00 per property +																							
TOTAL FEES ENCLOSED =				\$1,000.00 0																			
Amount to be refunded				\$																			
Amount to be charged				\$																			
a. <input checked="" type="checkbox"/> A check in the amount of \$1,000.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 23-1925 in the amount of \$___ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.																							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																							
Send All Correspondence to: Brinks Hofer Gilson & Lione P.O. Box 10395 Chicago, IL 60610																							
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding-right: 10px;">           Signature  </td> <td style="width: 50%; padding-left: 10px;">           Name            Jasper W. Dockrey            Registration Number: 33,868         </td> </tr> </table>						Signature 	Name Jasper W. Dockrey Registration Number: 33,868																
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